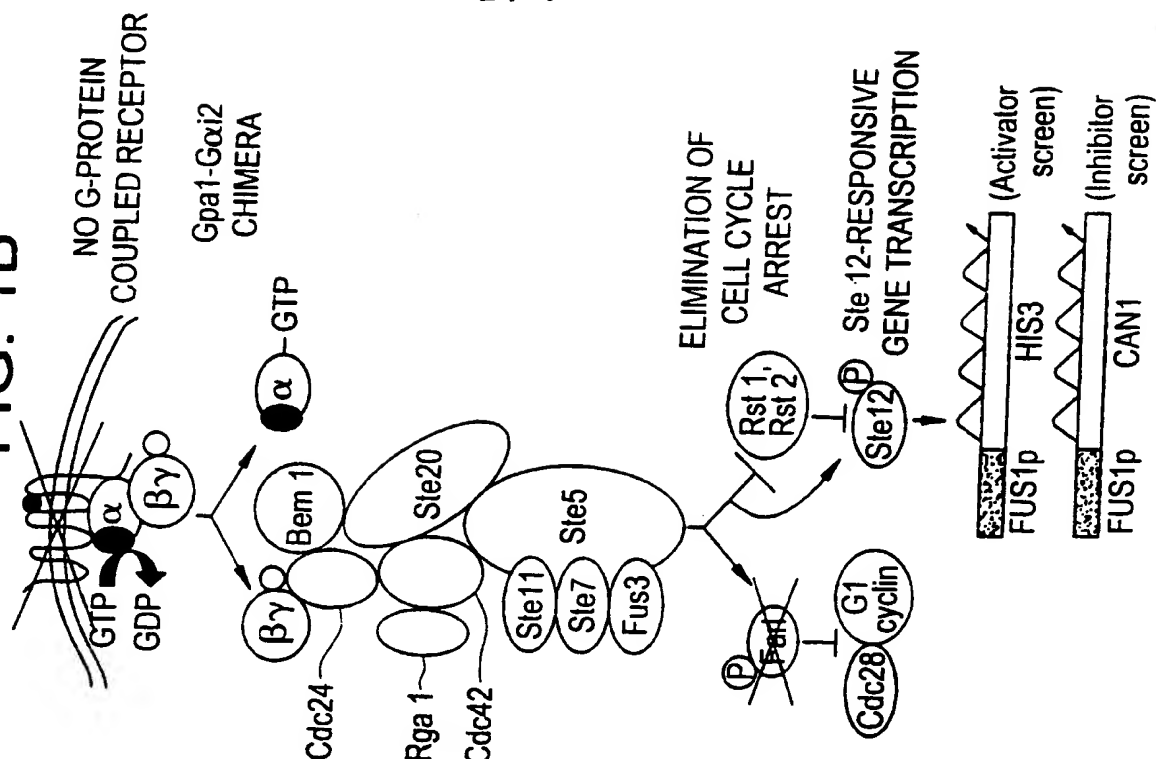


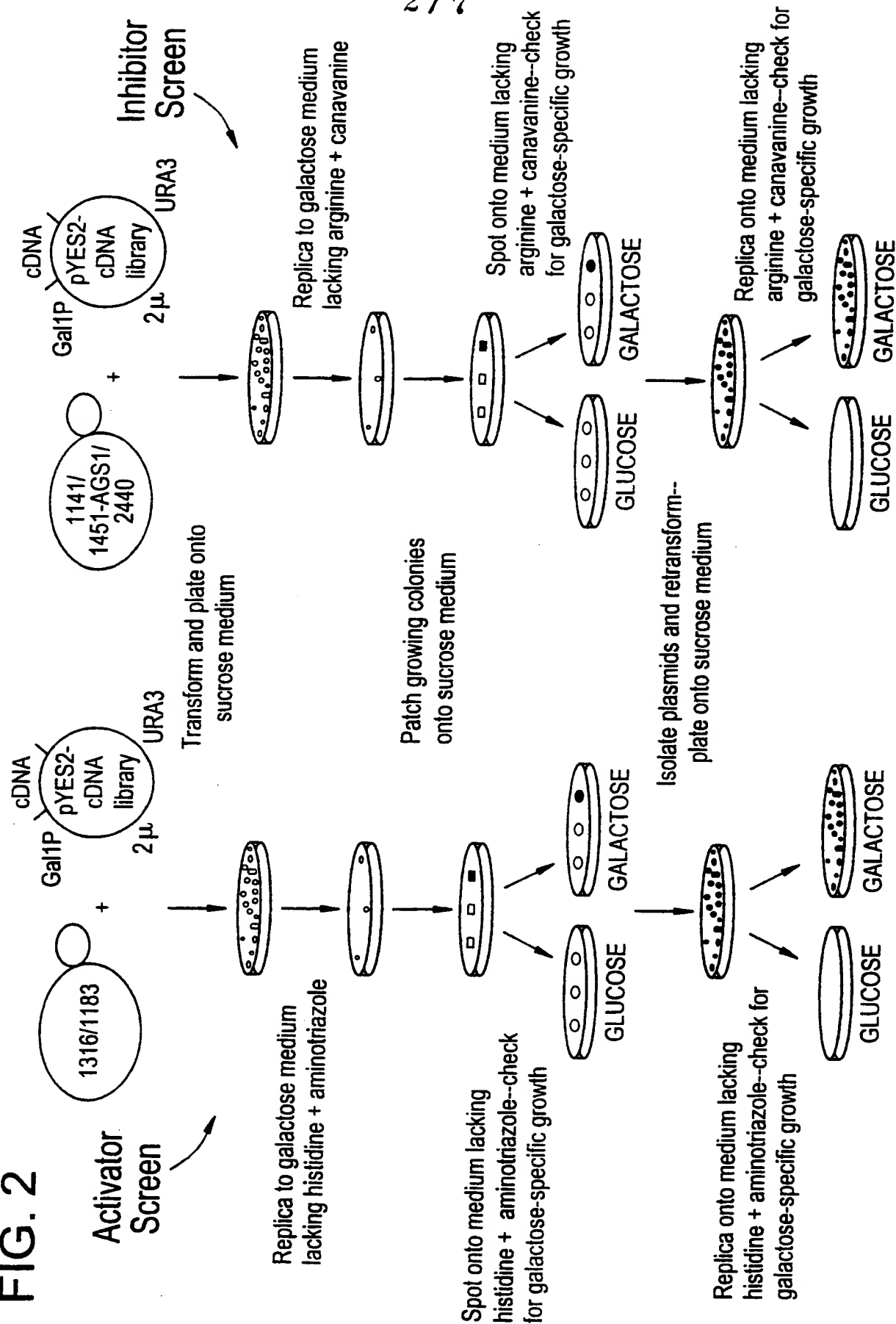
FIG. 1B



008077-00760260

2 / 7

FIG. 2



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

4 / 7

008077-00760260

FIG.3B

MKLAAMIKKMCPSDSELSIP	AKNCYRMVILGSSKVGKTAI	40
VSRELTGRFEDAYTPTIEDE	HRKFYSIRGEVYQILDITS	80
GNHPFPAMRRRLSILTGDVFI	LVFSLDNRDSFEVQRLRQQ	120
ILDTKSLKNKTENVVPL	VICGNKGRDRFYREVDQREI	160
EQLVGDDPQRCAYFEISAKK	NSSLDQMFRALEMAKLPSE	200
MSPDLHRKVSQYCDVLHKK	ALRNKKLLRAGSGGGGGDPG	240
DAFGIVAPFARRPSVHSDLM	YIREKASAGSQAKKERCVI	S 281

003077-EDF50260

FIG. 4A

	PM1	G1	PM2
C-HA-RAS1	-----MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDS		
RALA	-----MAANKPKGQNSLAHLKVMVGGGVGKSALTQLQFMDEFVEDYEPTKADS		
RAB-1A	-----MSSMNPEDYLFKLLIGDSGVGKCLLIRFADDTYTESYISTIGVD		
RHOHP1	-----MTAAQAAGEEAPPGVRSVKVVLVGDGGCGKTSLLMVFADGAFPESTPTVFER		
CDC42	-----MQTIKCVVVDGAVGKTCCLLSYTTNKFSEYVPTVFDN		
RAC2	-----MQAIKCVVVDGAVGKTCCLLSYTTNAPGGEYIPTVFDN		
ARL1	-----MGFFSSIFSLFGTREMRLILGLDGAGKTTILYRLQVGEVVTI-PTIGFN		
RND3/RHOE	-----MDPNQNVKCKIVVVGDSQCGKTALLHVFAKDCFPENYVPTVFN		
AGS1	MKLAAMIKKMCPSDSELSIPAKNCYRMVILGSSKVGTAVSRFLTGRFEDAYTPTIEDF		

: : : * . * * : : . *

	PM3
C-HA-RAS1	YRKQ-VVIDGETCLLDILDTAGQEEYSAMRDQYMRGTGEGFLCVFAINNNTKSFEDIHQYRE
RALA	YRKK-VVLDGEEVQIDILDTAGQEDYAAIRDNYFRSGEGFLCVFSITEMESFAATADFRE
RAB-1A	FKIRTIELDGKTIKLIQIWDTAGQERFRTITSSYYRGAHGIIVYDVTDOESFNNVKQ-WL
RHOHP1	YMVN-LQVKGKPVHLHIWDTAGQDDYDRLRPLFPDASVLLLCFDVTSNPSFDNIFNRWY
CDC42	YAVT-VMIGGEPTLGLFDTAGQEDYDRLRPLSYPTQDVLVCFVSVSPSFENVKEKWV
RAC2	YSAN-VMVDSKPVNLGLWDTAGQEDYDRLRPLSYPTQDVLVCFVSVSPSYENVRKWF
ARL1	VET----VTYKNLKFQVWDLGGQTSIRPYWRCYYNNTDAVIYVVDSCDRDRIGISKSELV
RND3/RHOE	YTAS-FEIDTQRIELSLWDTSGSPYDNRPLSYPDSDAVLICFDISRPEITLDSVLKKWK
AGS1	HRKF-YSIRGEVYQLDILDTSGNHFPFAMRRLSILTGDFVILVFSLDNRDSFEVQRLRQ

: : : * . * * : : . *

008011" E0150450

FIG.4B

G2

QIKRVK-----SDDVPMVLVGNKCDLAA-----RTVESRQADLARS
QILRVKE-----DENVPFLLVGNKSDLEDK-----RQSVVEEAKNRAEQ
QEIDRYA-----SENVNKLVLGNKCDLTK-----KVVDYTTAKEFADS
PEVNH-----CKKVPPIVVGCKTDLRKDSLNVKLRRNGLEPVYTHRGQEMARSV
PEITH-----CPKTPFLLVGTQIDLRDDPSTIEKLAKNKQKPIPTETAELARDL
PEVRHH-----CPSTPIILVGTCLDLRDDKDTIEKLEKKLAPITYPQGLALAKEI
AMLEEEE-----LRKAILVVFANKQDMEQAMTSSEMANSGLPALKDRK-----
GEIQEF-----CPNTKMLLVGCKSDLRDVTSTLVELSNHRQTPVSYDQGANMAKQI
QILDTKSLKNKTKENVDPVLVICGNKGD-RDFY-----REVDQREIEQLVGD

... : : *

G3

YG--IPYIETSAKTRQG-VEDAFYTLVREIR-----
WN--VNYVETSAKTRAN-VDKVFDFLMREIR-----
LG--IPFLETSAKNATN-VEQSFMTMAAEIK-----
GA--VAYLECSARLHDN-VHAVFQEAEEVAL-----
KA--VKYVECSALTQRG-LKNVFDEAIIAAL-----
DS--VKYLECSALTQRG-LKTVFDEAIRAVL-----
----WQIFKTSATKGTG-LDEAMEWLVELTKSRQ-----
GA--ATYIECSALQSENSVRDIF-----HVATLAC-----VNKTNKNVKNK
DEQRCAYFEISAKKNSS-LDQMFRAFAMAKLPSEMSPDLHRKVSQYCDVLHKKALRNKK

... : :

-----QHKLRKLNPPDESGPGCMCKCVLS
-----ARMEDSKEKNGKKRKS LAKRIRERCCIL
-KRMGPGATAGGA-----EKS NVKIQTVPVKQAGGCC
-----SSRGRNFWRRITQGFVVT
-----EPPETQPKRKCCIF
-----CPQPTRQQKRACSLI

SQRA-----TKRISHMPSRP-----ELSAVATDLRKDKAKSCTVM
LLRAGSGGGGDPGDAFGIVAPFARRPSVHSDLMYIREKASAGSQAKDKERCVIS

C-HA-RAS1
RALA
RAB-1A
RHOHP1
CDC42
RAC2
ARL1
RND3/RHOE
AGS1

C-HA-RAS1
RALA
RAB-1A
RHOHP1
CDC42
RAC2
ARL1
RND3/RHOE
AGS1

C-HA-RAS1
RALA
RAB-1A
RHOHP1
CDC42
RAC2
ARL1
RND3/RHOE
AGS1

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

7 / 7

0080T' 20750260

FIG.5

	P REGION		G' REGION	
RhoE/Rnd3	KIVVVGDSQCGKTALL	.	LSLWDTSGSPYYD	.
Rnd2	KIVVVGDAECGKTALL	.	INMWDTSOSSYYD	.
Rnd1	KLVLVGDVQCGKTAML	.	LSLWDTSGSPYYD	.
RhoA	KLVIVGDGACGKTCLL	.	LALWDTAGQEDYD	.
RhoB	KLVVVGDGACGKTCLL	.	LALWDTAGQEDYD	.
Cdc42	KCVVVGDGAVGKTCLL	.	LGLFDTAGQEDYD	.
Rac1	KCVVVGDGAVGKTCLL	.	LGLWDTAGQEDYD	.
H-ras	KLVVVGAGGVGKSALT	.	LDILDTAGQEEYD	.
AGS	26 RMVILGSSKVGKTAIV	.	LDILDTSGNHPPF	86
	*		*	*